Building B
Langford locks
Kidlington
Oxford, Oxfordshire
OX5 1LH
United Kingdom
Tel: +44 (0)1865 595230

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Influenza A virus (A/Thailand/1(KAN-1)/2004 (H5N1)) Neuraminidase (NA)

IUPAC name: -
Product number : FLUH5N1-NA
CAS number:

Company : The Native Antigen Company Ltd.
Building B
Langford Locks
Kidlington
Oxford
Oxfordshire, OX5 1 LH
United Kingdom

Telephone : +44 (0)1865 595230
E-mail address : contact@thenativeantigencompany.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recombinant Influenza A virus (A/Thailand/1(KAN-1)/2004 (H5N1)) Neuraminidase (NA), expressed in a mammalian cell expression system. Sample is of biological origin and is presented as a liquid in a plastic vial. Each vial contains no more than 1000μg.

Additional components present: Dulbecco's PBS at pH7.4

4. FIRST AID MEASURES

If inhaled: Remove person to fresh air, seek medical advice if breathing becomes difficult.

In case of skin contact: Wash off with soap and water.

In case of eye contact: Rinse at eyewash station.
.

If swallowed: No treatment required

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters
None required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear gloves.

Environmental precautions
Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up
Pick up using absorbent tissue and arrange for safe disposal. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes.

Conditions for safe storage
Recommended storage temperature: -20 to -80 °C for long term.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
None necessary.

Hand protection
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Handle with gloves.

Eye protection
Safety glasses if desired

Skin and body protection
Laboratory coat

Hygiene measures
Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
White powder

Safety data

pH:	pH 7.4
Melting point:	no data available

Boiling point:	no data available
Flash point:	no data available
Ignition temperature:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Water solubility:	soluble

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Avoid multiple freeze thaw cycles

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	None
Ingestion	None
Skin	None
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

12. ECOLOGICAL INFORMATION

Toxicity
No data available

Persistence and degradability
Degrades easily

Bioaccumulative potential
Low

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

Product
Observe all federal, state, and local environmental regulations. Can be disposed of down sink.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

Not dangerous goods, no transport limitations.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. OTHER INFORMATION

None

Last update: 25 March 2013

Prepared by: The Native Antigen Company

Although the information, opinions and recommendations contained in this Safety Data Sheet are compiled from sources believed to be reliable, we accept no responsibility for the accuracy, sufficiency, or reliability or for any loss or injury resulting from the use of the information.